

10/530037

INTERNATIONAL SEARCH REPORT

International application No.
PCT/KR03/02283**A. CLASSIFICATION OF SUBJECT MATTER**

IPC7 H04M 1/23

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7 H04M, H04Q

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
KR; IPC as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	KR 2001-54288 A (Yong-Suk Kim) 02 July 2001	1-3, 10-11
Y	See the whole document	4-9, 12-14
A	US 5,619,563 A (Lucent Technologies Inc.) 08 Apr. 1997 See the whole document	1-14

☐ Further documents are listed in the continuation of Box C.☒ See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

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"O" document referring to an oral disclosure, use, exhibition or other means

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"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family


Date of the actual completion of the international search

20 DECEMBER 2003 (20.12.2003)

Date of mailing of the international search report

22 DECEMBER 2003 (22.12.2003)

Name and mailing address of the ISA/KR


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International application No.

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
KR 2001-54288 A	02-07-2001	None	
US 5,619,563 A	08-04-1997	JP 08-234889 A KR 1999-190519 B1 CN 1106746 B CN 1134073 A	13-09-1996 01-06-1999 23-04-2003 23-10-1996